

CYANINE-TYPE COMPOUNDS HAVING AN ALKYNYL LINKER ARM

ABSTRACT

The invention relates to cyanine-type fluorescent dyes modified with an alkynyl linker arm of formula (I), suitable for the conjugation of biomolecules, such as for example nucleosides, nucleotides, oligonucleotides, nucleic acids, proteins, peptides, vitamins and hormones. A method and intermediates for the synthesis of the alkynyl cyanines of the invention are also described, as well as alkynyl cyanine-biomolecule conjugates and methods for preparing thereof. The alkynyl cyanines of the invention can be advantageously used as markers for biomolecules or as quenchers.

